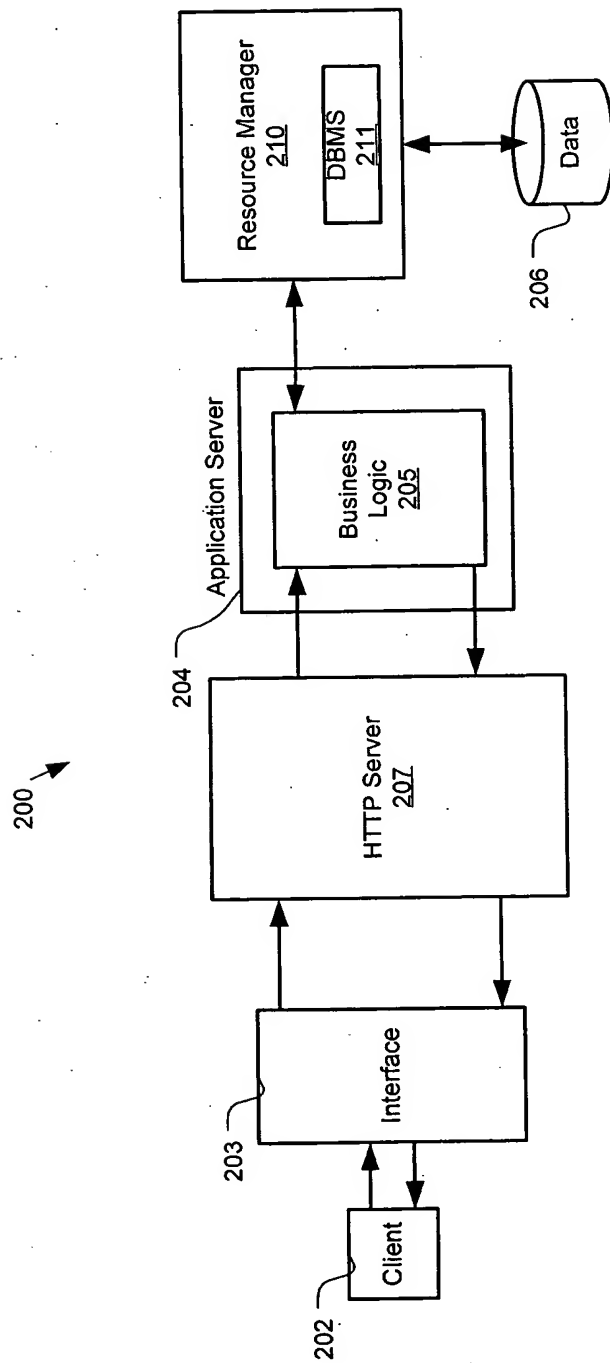**Fig. 1**

Fig. 2

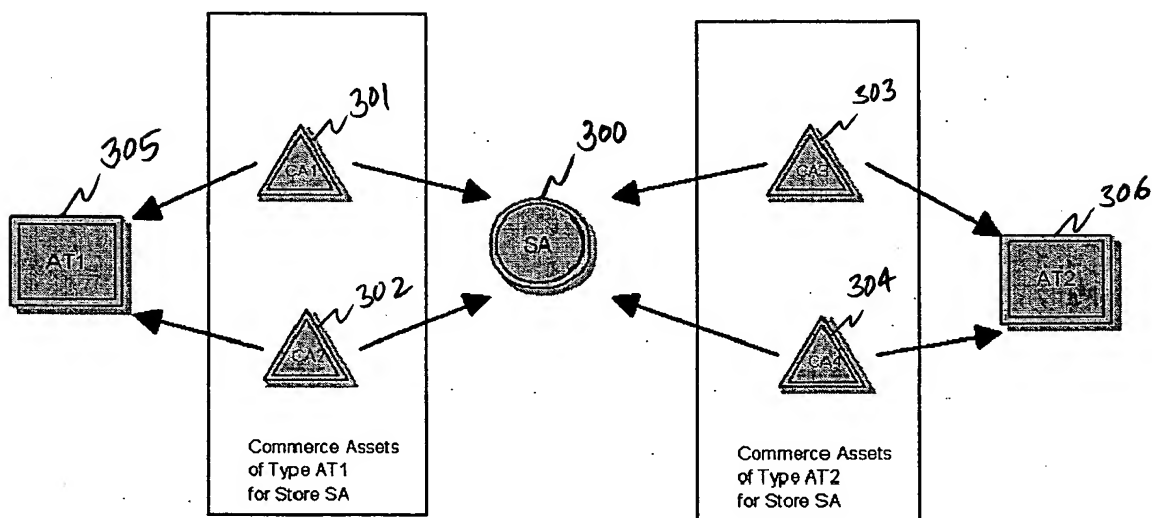# Each Store Has Commerce Assets of Various Types

fig. 2

Each Store Maps Asset Types to Store Relationship Types
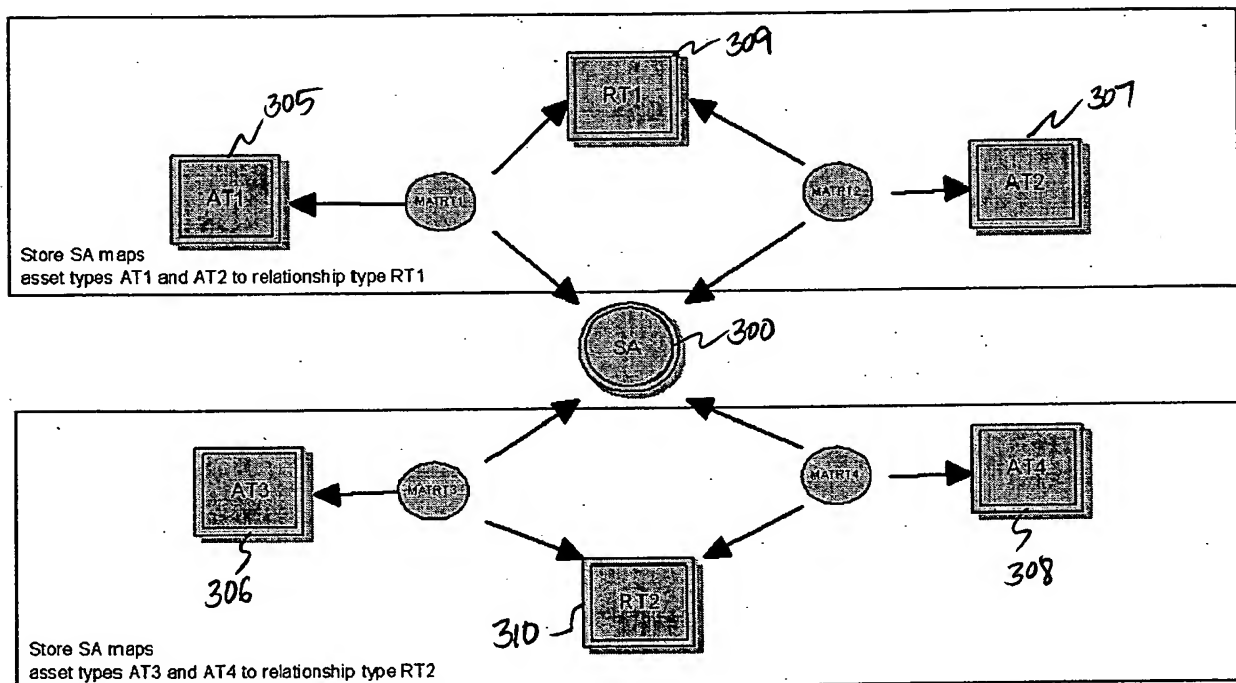

fig. 4

A Storepath is a Sequence of Directed Relationships of a Particular Type Between Stores
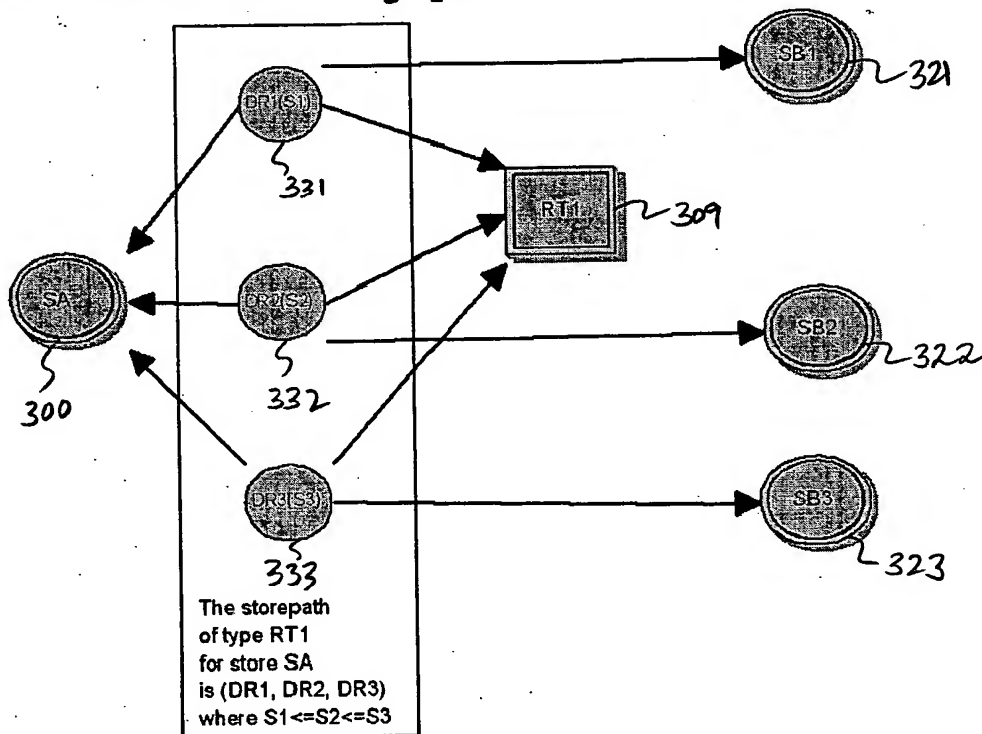

331

309

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The storepath
of type RT1
for store SA
is (DR1, DR2, DR3)
where S1<=S2<=S3

fig. 5

A Store Locates Assets of a Particular Type by Searching the Stores on its Corresponding Storepath

Store SA uses its
storepath of type RT1
to locate assets
of type AT1

Store SA locates
these assets
of type AT1
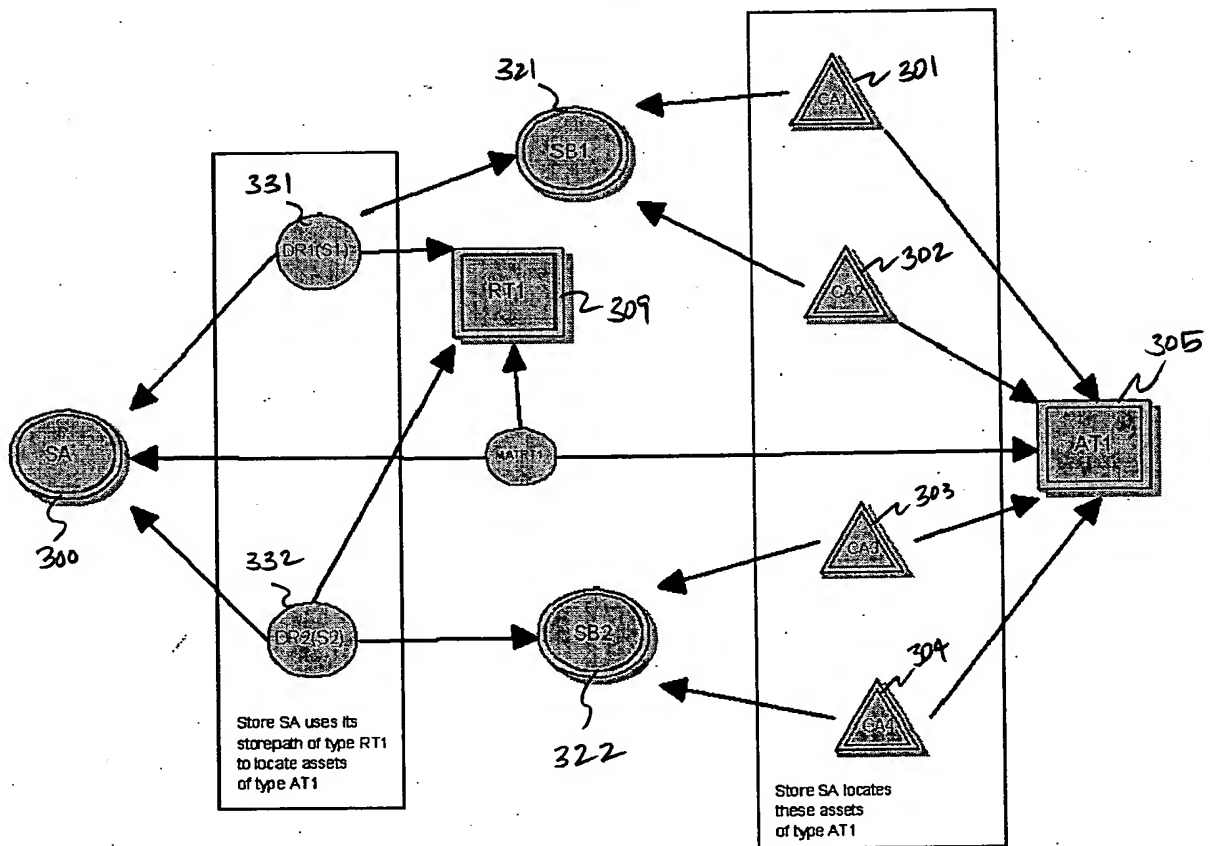
fig. 6

Application System Operation

● Start

Read storepath information
and cache in memory — 700

Receive operation
request — 702

Use cached storepath information to
construct database query to locate assets — 704

Execute database
query to retrieve assets — 706

Perform requested operation
using retrieved assets — 708

Return operation
results — 710

fig. 7